

S/N 10/615,201

PATENT

SEP 02 2004  
Applicant: Jiang Ding et al. Examiner: George Robert  
Evanisko  
Serial No.: 10/615,201 Group Art Unit: 3762  
Filed: July 07, 2003 Docket: 279.090US6  
Title: CARDIAC PACING USING ADJUSTABLE ATRIO-VENTRICULAR DELAYS

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicants respectfully request that this Supplemental Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicants request that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicants with the next official communication.

Pursuant to 37 C.F.R. §1.97(c)(2), Applicants have included the fee of \$180.00 as set forth in 37 C.F.R. §1.17(p). Please charge any additional fees or credit any overpayment to Deposit Account No. 19-0743.

09/02/2004 EAREGAY1 00000059 10615201

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**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Serial No :10/615,201

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Dkt: 279.090US6

The Examiner is invited to contact the Applicants' Representative at the below-listed telephone number if there are any questions regarding this communication.

The present application is a U.S. national patent application filed after June 30, 2003. Thus, Applicant believes that the U.S. Patent & Trademark Office has waived the requirement under 37 C.F.R. 1.98 (a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. patent application publication. The waiver is provided in a pre-OG notice from the U.S. Patent & Trademark Office entitled "Information Disclosure Statements May Be Filed Without Copies of U.S. Patents and Published Applications in Patent Applications filed after June 30, 2003" and dated July 11, 2003. Applicant acknowledges the requirement to submit copies of foreign patent documents and non-patent literature in accordance with 37 C.F.R. 1.98(a)(2).

Respectfully submitted,

JIANG DING ET AL.

By their Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.  
P.O. Box 2938  
Minneapolis, MN 55402  
(612) 373-6912

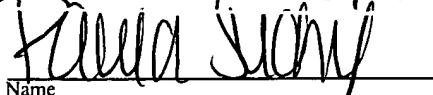
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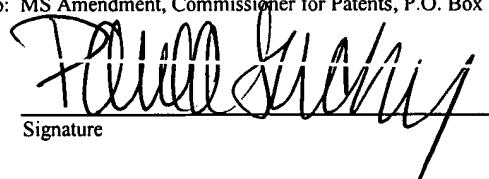
Aug 31, 2004

By

  
Timothy E. Bianchi  
Reg. No. 39,610

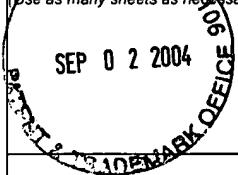
**CERTIFICATE UNDER 37 CFR 1.8:** The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 31 day of August, 2004.

  
Name

  
Signature

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
*(use as many sheets as necessary)*

Sheet 1 of 2

Complete if Known

|                             |                  |
|-----------------------------|------------------|
| <b>Application Number</b>   | 10/615,201       |
| <b>Filing Date</b>          | July 7, 2003     |
| <b>First Named Inventor</b> | Ding, Jiang      |
| <b>Group Art Unit</b>       | 3762             |
| <b>Examiner Name</b>        | Evanisko, George |

Attorney Docket No: 279.090US6

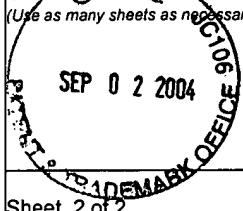
**US PATENT DOCUMENTS**

| Examiner Initial * | USP Document Number | Publication Date | Name of Patentee or Applicant of cited Document | Class | Subclass | Filing Date If Appropriate |
|--------------------|---------------------|------------------|---|-------|----------|----------------------------|
|                    | US-2001/0047194 A1  | 11/29/2001       | Thompson, D. L., et al.                         | 607   | 59       | 04/04/2001                 |
|                    | US-2002/0123769 A1  | 09/05/2002       | Panken, E. J., et al.                           | 607   | 9        | 12/14/2000                 |
|                    | US-2002/0183795 A1  | 12/05/2002       | Rouw, M. , et al.                               | 607   | 9        | 04/30/2001                 |
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|                    | US-2003/0144703 A1  | 07/31/2003       | Yu, Y.  | 607   | 17       | 12/09/2002                 |
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|                    | US-6,430,433        | 08/06/2002       | Wentkowski, Rene H., et al.                     | 607   | 9        | 12/26/2000                 |
|                    | US-6,438,421        | 08/20/2002       | Stahmann, J. E., et al.                         | 607   | 9        | 12/26/2000                 |
|                    | US-6,480,742        | 11/12/2002       | Stahmann, Jeffrey E., et al.                    | 607   | 27       | 12/26/2000                 |
|                    | US-6,512,952        | 01/28/2003       | Stahmann, Jeffrey E., et al.                    | 607   | 9        | 12/26/2000                 |

**EXAMINER****DATE CONSIDERED**

Substitute Disclosure Statement Form (PTO-1449)

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language Translation is attached

|  |  |   |  |  |  |  |
|--|--|---|--|--|--|--|
| Substitute for form 1449A/PTO<br><b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br>(Use as many sheets as necessary) |  | Complete if Known   |  |  |  |  |
| <br>Sheet 2 of 2                              |  | <b>Application Number</b> 10/615,201<br><b>Filing Date</b> July 7, 2003<br><b>First Named Inventor</b> Ding, Jiang<br><b>Group Art Unit</b> 3762<br><b>Examiner Name</b> Evanisko, George |  |  |  |  |
|  |  | Attorney Docket No: 279.090US6  |  |  |  |  |

|  |              |            |                              |     |   |            |
|--|--------------|------------|------------------------------|-----|---|------------|
|  | US-6,522,921 | 02/18/2003 | Stahmann, Jeffrey E., et al. | 607 | 9 | 12/26/2000 |
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|  | US-6,597,951 | 07/22/2003 | Kramer, Andrew , et al.      | 607 | 9 | 11/27/2001 |

**FOREIGN PATENT DOCUMENTS**

| Examiner Initials* | Foreign Document No | Publication Date | Name of Patentee or Applicant of cited Document | Class | Subclass | T <sup>2</sup> |
|--------------------|---------------------|------------------|---|-------|----------|----------------|
|                    | EP-0970721A2        | 01/12/2000       | Stone, K. A., et al.                            | A61N  | 1/37     |                |

**OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS**

| Examiner Initials* | Cite No <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
|--------------------|----------------------|---|----------------|
|                    |                      | DING, J. , et al., "Method and Apparatus for Setting Pacing Parameters in Cardiac Resynchronization Therapy", Application Serial No. 10/352,780, filed January 28, 2003 Attorney Docket No. 279.457US1, 34 pages  |                |
|                    |                      | KRAMER, ANDREW P., et al., "Automatic Selection From Multiple Cardiac Optimization Protocols", Application Serial No. 10/624,458, filed July 21, 2003 Attorney Docket No. 279.340US3, 49 pages  |                |
|                    |                      | RITTER, P. , et al., "A Built-In System Based on the Peak Endocardial Acceleration (PEA) for AV-Delay Optimization in DDDR Pacing", Pace -- Pacing and Clinical Electrophysiology, No. 5, Futura Publishing Company, Inc.,(May 1997),1567                       |                |

**EXAMINER****DATE CONSIDERED**



S/N 10/615,201

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Jiang Ding et al. Examiner: George R. Evanisko  
Serial No.: 10/615,201 Group Art Unit: 3762  
Filed: July 7, 2003 Docket: 279.090US6  
Title: CARDIAC PACING USING ADJUSTABLE ATRIO-VENTRICULAR  
DELAYS

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COMMUNICATION CONCERNING RELATED APPLICATIONS

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Applicants would like to bring to the Examiner's attention the following related applications in the above-identified patent application:

| <u>Serial/Patent No.</u>        | <u>Filing Date</u>    | <u>Attorney Docket</u> | <u>Title</u>   |
|---------------------------------|-----------------------|------------------------|--|
| 09/075278<br>6144880            | May 8,<br>1998        | 279.090US1             | CARDIAC PACING USING<br>ADJUSTABLE ATRIO-VENTRICULAR<br>DELAYS   |
| 09/492911<br>6360127            | January 20,<br>2000   | 279.090US2             | CARDIAC PACING USING<br>ADJUSTABLE ATRIO-VENTRICULAR<br>DELAYS   |
| 09/661608<br>6351673            | September<br>14, 2000 | 279.090US3             | CARDIAC PACING USING<br>ADJUSTABLE ATRIO-VENTRICULAR<br>DELAYS   |
| 10/008830<br>6542775            | December<br>7, 2001   | 279.090US4             | CARDIAC PACING USING<br>ADJUSTABLE ATRIO-VENTRICULAR<br>DELAYS   |
| 10/206131<br>2004/0019365<br>A1 | July 26,<br>2002      | 279.423US1             | AN IMPLANTABLE CARDIAC<br>FUNCTION AND RHYTHM<br>MANAGEMENT SYSTEM THAT<br>OPTIMIZES CARDIAC PUMPING<br>PERFORMANCE WHILE<br>MAINTAINING PROPER HEART RATE |

**COMMUNICATION CONCERNING RELATED APPLICATIONS**

Serial Number: 10/615,201

Filing Date: July 7, 2003

Title: CARDIAC PACING USING ADJUSTABLE ATRIO-VENTRICULAR DELAYS

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Dkt: 279.090US6

|                                 |                       |            |  |
|---------------------------------|-----------------------|------------|--|
| 09/995255<br>6597951            | November<br>27, 2001  | 279.340US2 | AUTOMATIC SELECTION FROM<br>MULTIPLE CARDIAC OPTIMIZATION<br>PROTOCOLS   |
| 10/352780                       | January 28,<br>2003   | 279.457US1 | METHOD AND APPARATUS FOR<br>SETTING PACING PARAMETERS IN<br>CARDIAC RESYNCHRONIZATION<br>THERAPY   |
| 10/314910<br>2003/0144703<br>A1 | December<br>9, 2002   | 279.558US1 | METHOD AND APPARATUS FOR<br>OPTIMIZING VENTRICULAR<br>SYNCHRONY DURING DDD<br>RESYNCHRONIZATION THERAPY<br>USING ADJUSTABLE ATRIO-<br>VENTRICULAR DELAYS |
| 10/314899<br>2003/0144702<br>A1 | December<br>9, 2002   | 279.559US1 | METHOD AND APPARATUS FOR<br>OPTIMIZING STROKE VOLUME<br>DURING DDD<br>RESYNCHRONIZATION THERAPY<br>USING ADJUSTABLE ATRIO-<br>VENTRICULAR DELAYS         |
| 10/243811<br>6684103            | September<br>13, 2002 | 279.090US5 | CARDIAC PACING USING<br>ADJUSTABLE ATRIO-VENTRICULAR<br>DELAYS   |
| 10/615202<br>2004/0078060<br>A1 | July 7, 2003          | 279.090US7 | CARDIAC PACING USING<br>ADJUSTABLE ATRIO-VENTRICULAR<br>DELAYS   |

**COMMUNICATION CONCERNING RELATED APPLICATIONS**

Serial Number: 10/615,201

Filing Date: July 7, 2003

Title: CARDIAC PACING USING ADJUSTABLE ATRIO-VENTRICULAR DELAYS

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10/624458

July 21,  
2003

279.340US3

AUTOMATIC SELECTION FROM  
MULTIPLE CARDIAC OPTIMIZATION  
PROTOCOLS

Respectfully submitted,

JIANG DING ET AL.

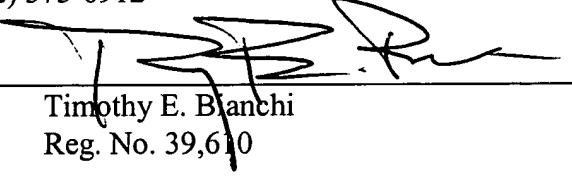
By Applicants' Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.  
P.O. Box 2938  
Minneapolis, MN 55402  
(612) 373-6912

Date

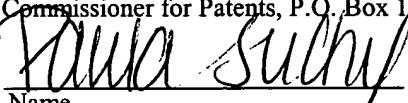
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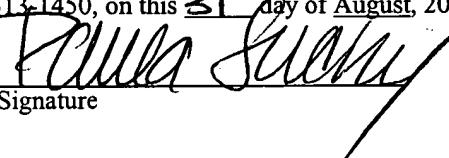
By

  
Timothy E. Bianchi  
Reg. No. 39,610

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Name

  
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